

## **CONSTRUCTION SPECIFICATION**

### **MI-152. EXCAVATION**

1. **SCOPE**  
The work shall consist of the excavation required by the drawings and specifications and disposal of the excavated materials.
2. **USE OF EXCAVATED MATERIALS**  
To the extent they are needed, all suitable materials from the specified excavations shall be used in the construction of required permanent earth fill or rock fill. The suitability of materials for specific purposes shall be determined by the NRCS inspector. The contractor shall not waste or otherwise dispose of suitable excavated materials.
3. **DISPOSAL OF WASTE MATERIALS**  
All surplus or unsuitable excavated materials will be designated as waste and shall be disposed of at the locations shown on the drawings or designated by NRCS inspector or landowner.
4. **BRACING AND SHORING**  
Excavated surfaces too steep to be safe and stable if unsupported, shall be supported as necessary to safeguard the work and workmen, to prevent sliding or settling of the adjacent ground, and to avoid damaging existing improvements. The width of the excavation shall be increased if necessary to provide space for sheeting, bracing, shoring and other supporting installations. The contractor shall furnish, place and subsequently remove such supporting installations.
5. **STRUCTURE AND TRENCH EXCAVATION**  
Structure or trench excavation shall be completed to the specified elevations and to sufficient length and width to include allowance for forms, bracing and supports, as necessary, before any concrete or earth fill is placed or any piles are driven within the limits of the excavation.
6. **BORROW EXCAVATION**  
When the quantities of suitable materials obtained from specified excavations are insufficient to construct the specified fills, additional materials shall be obtained from the designated borrow areas. The extent and depth of borrow pits within the limits of the designated borrow areas shall be as directed by the NRCS inspector.  
  
Borrow pits shall be excavated and finally dressed in a manner to eliminate steep or unstable side slopes or other hazardous or unsightly conditions.
7. **OVER-EXCAVATION**  
Excavation beyond the specified lines and grades shall be corrected by filling the resulting voids with approved compacted earth fill, except that if the earth is to become the subgrade for riprap, rock fill, sand or gravel bedding, or drain fill, the voids may be filled with material conforming to the specifications for the riprap, rock fill, bedding or drain fill.